Bacterial transformation for One Shot cells

Introduction

Some modifications from the default transformation protocol

Materials

- One Shot complement cells
- DNA plasmids
- Agar plates containing antibiotic
- SOC medium

Procedure

Transformation

1. Take cells out from -20C and thaw them for 30 minutes on ice.
2. Take LB agar plates out from +4C and prewarm them in +37C.
3. Add 5-10 ng of DNA in 1-5 ul on top of cells. Do not mix by pipetting, just flick the tubes/tap gently .
4. Incubate cells on ice for 30 min
5. Heat shock 30 sec in 42 °C, NO MIXING OR SHAKING
6. Place on ice
7. Add 250 ul SOC pre-warmed to +37 °C (preferably in laminar, aseptic technique!)
8. Incubation at +37 °C, 1h, shaking 225 rpm
9. Plate on LB plates with appropriate antibiotics

   Choose 2 volumes between 20-200 uL and leave the rest on the bench overnight, it can be plated the next day
10. Incubate O/N in +37 °C